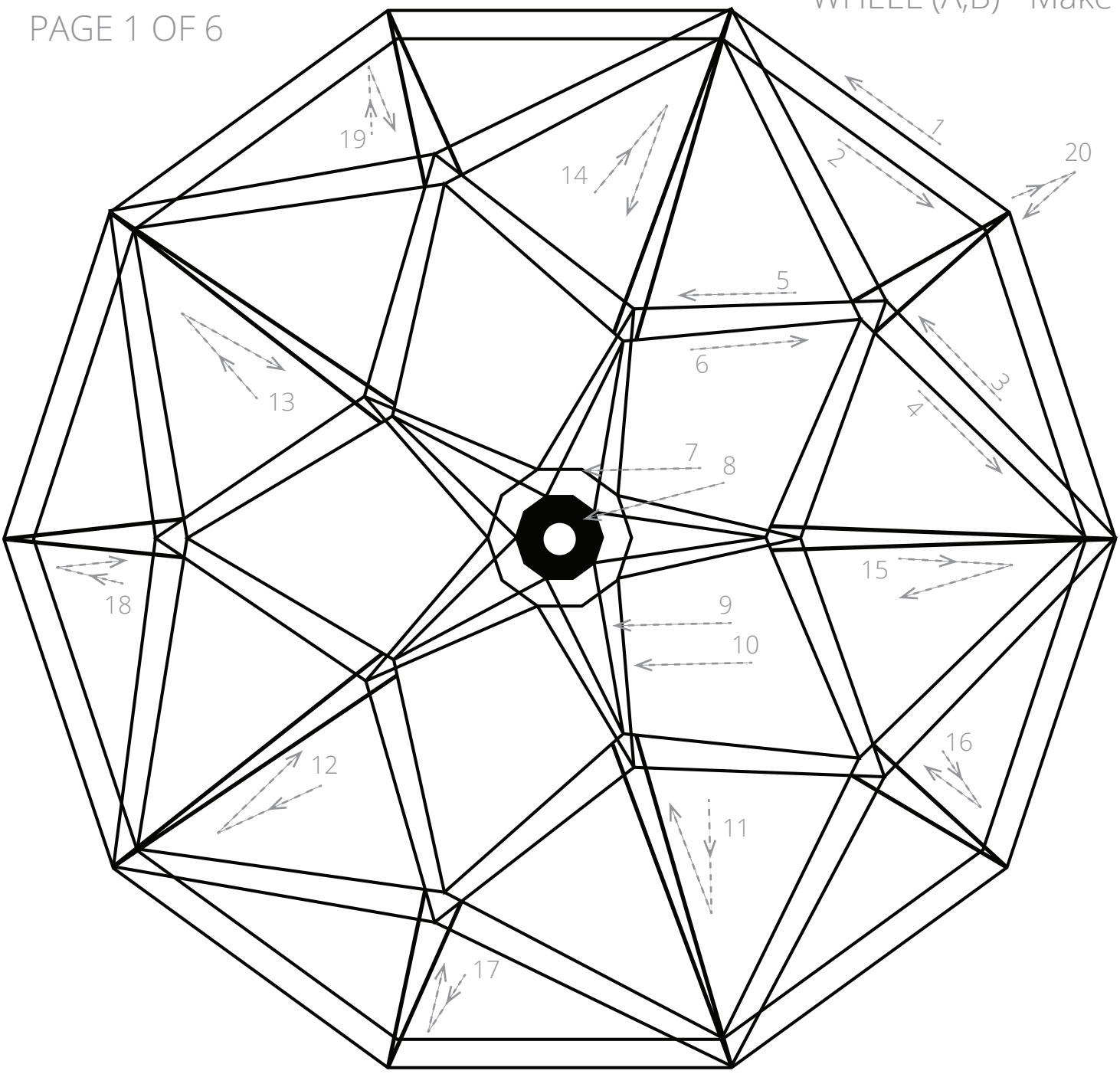
Ferris Wheel

3DS-BU-086

WHEEL (A,B) - Make 2



By: Peter Schonefeld

Westbury Tasmania, Australia

http://vectorshapes.com

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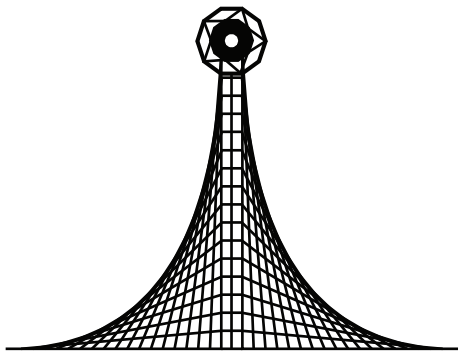
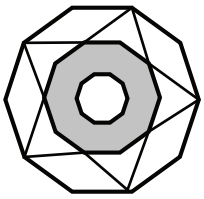
UPRIGHT (C,D) - Make 2



1. 

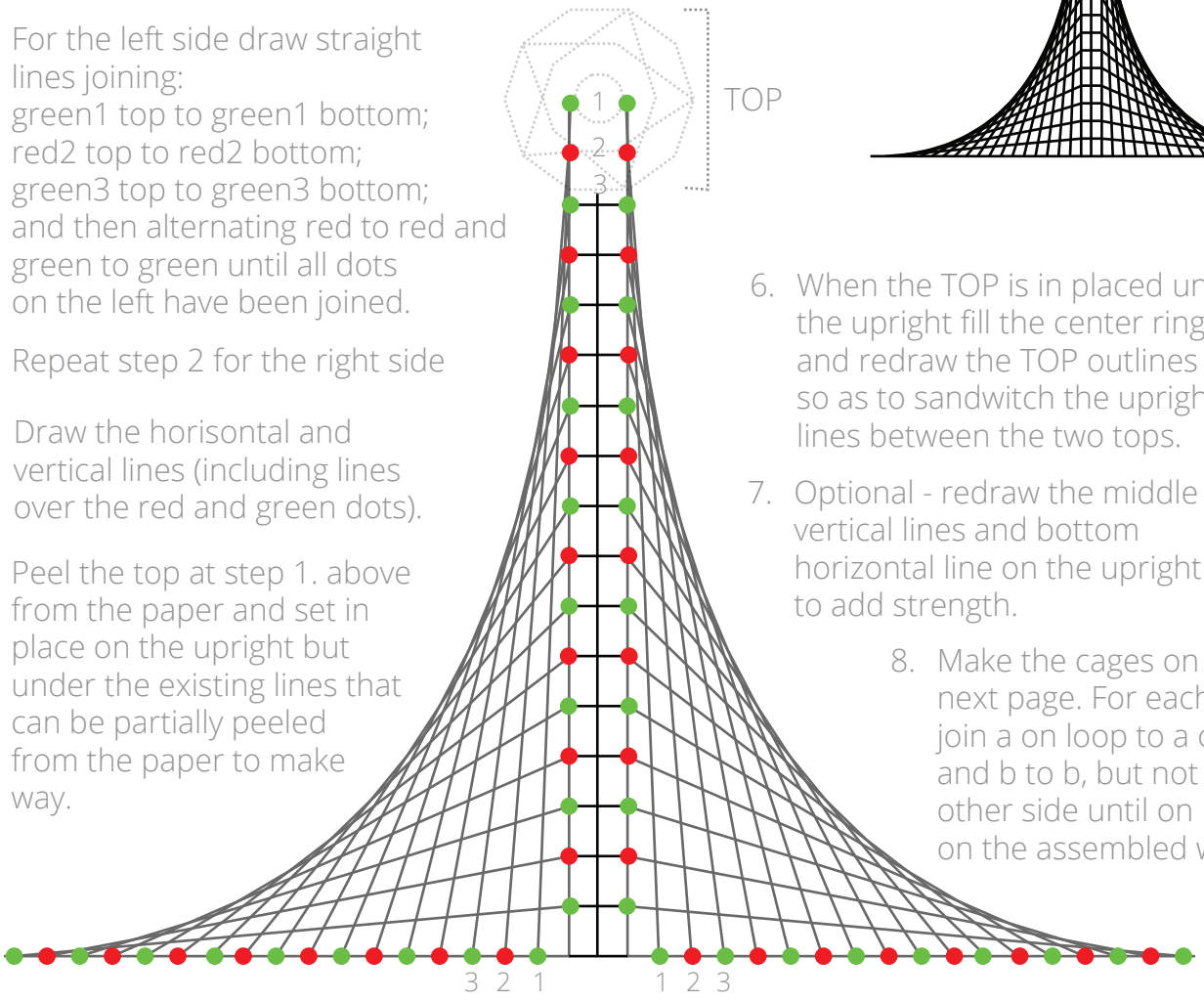
   Draw the TOP here but do not fill the center ring until is in place under uprights

2. For the left side draw straight lines joining:
   green1 top to green1 bottom;
   red2 top to red2 bottom;
   green3 top to green3 bottom;
   and then alternating red to red and green to green until all dots on the left have been joined.

3. Repeat step 2 for the right side

4. Draw the horisontal and vertical lines (including lines over the red and green dots).

5. Peel the top at step 1. above from the paper and set in place on the upright but under the existing lines that can be partially peeled from the paper to make way.



6. When the TOP is in placed under the upright fill the center ring and redraw the TOP outlines so as to sandwitch the upright lines between the two tops.

7. Optional - redraw the middle vertical lines and bottom horizontal line on the upright to add strength.

8. Make the cages on the next page. For each cage, join a on loop to a on base and b to b, but not join the other side until on placed on the assembled wheel.

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Westbury Tasmania, Australia

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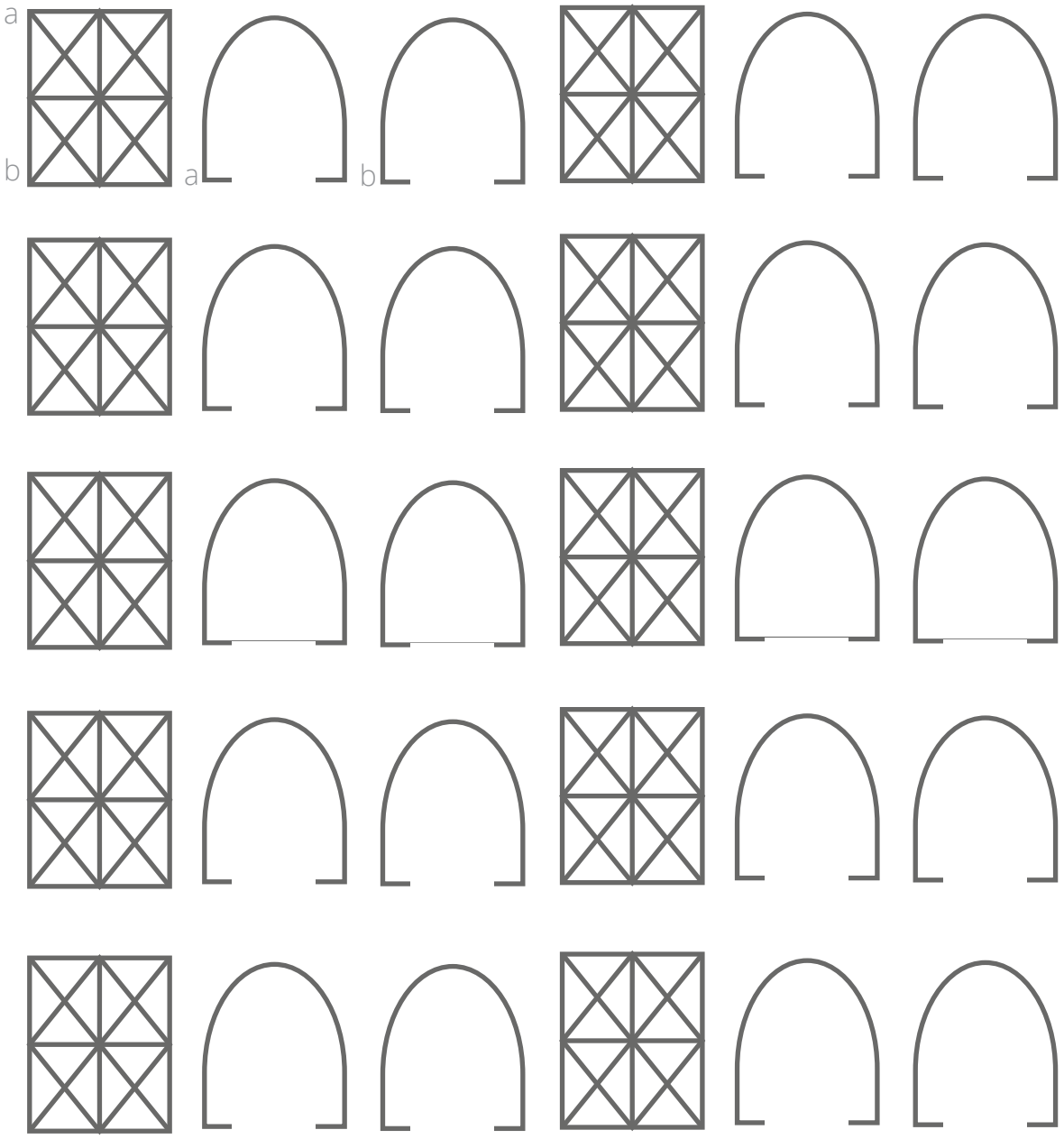
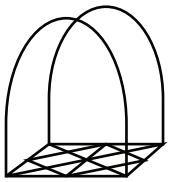
CAGE - Make 10





IMPORTANT: Only weld one end of each loop to the cage base at this stage. Otherwise will be unable to hook over wheel.

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Westbury Tasmania, Australia
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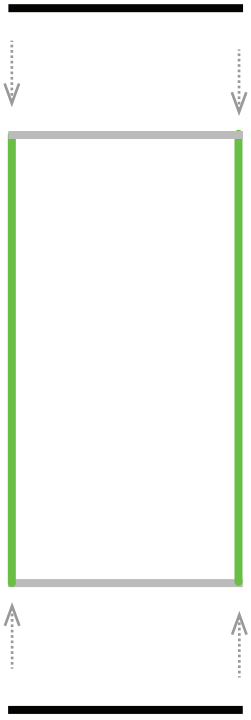
Horizontal Wheel Conectors - Make 15

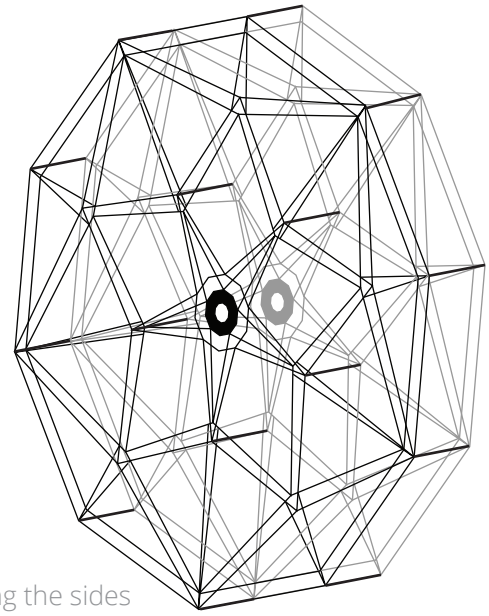
8. Cut a pieces of unused 3Doodler plastic into 15 pieces at the length indicated above.

9. Each wheel has 10 sides. Making sure the design on each wheel side is aligned, stand a wheel edge on the green line with the outside of the wheel side facing out. Then attach the connectors at the ends of each wheel edge. Turning the wheel, repeat this step for each edge so that the wheel side become attached at each edge.

   IMPORTANT: The outside of each wheel side is the side that was attached to the paper, not the side drawn on.

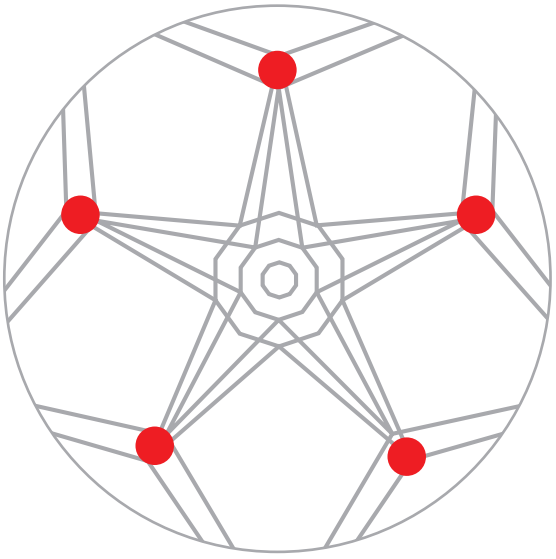
   Tip: lean the wheel sides against the edge of thick books to help them stand upright.





joining the sides of the wheel.

11. To make the wheel stable, attach the remaining five connectors inside the wheel at the points indicated by the red dots below.



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Westbury Tasmania, Australia

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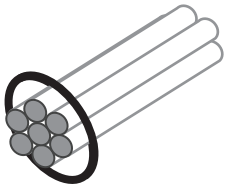
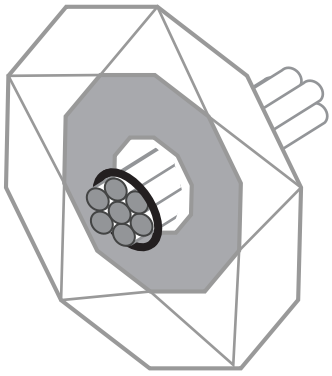
Ferris Wheel

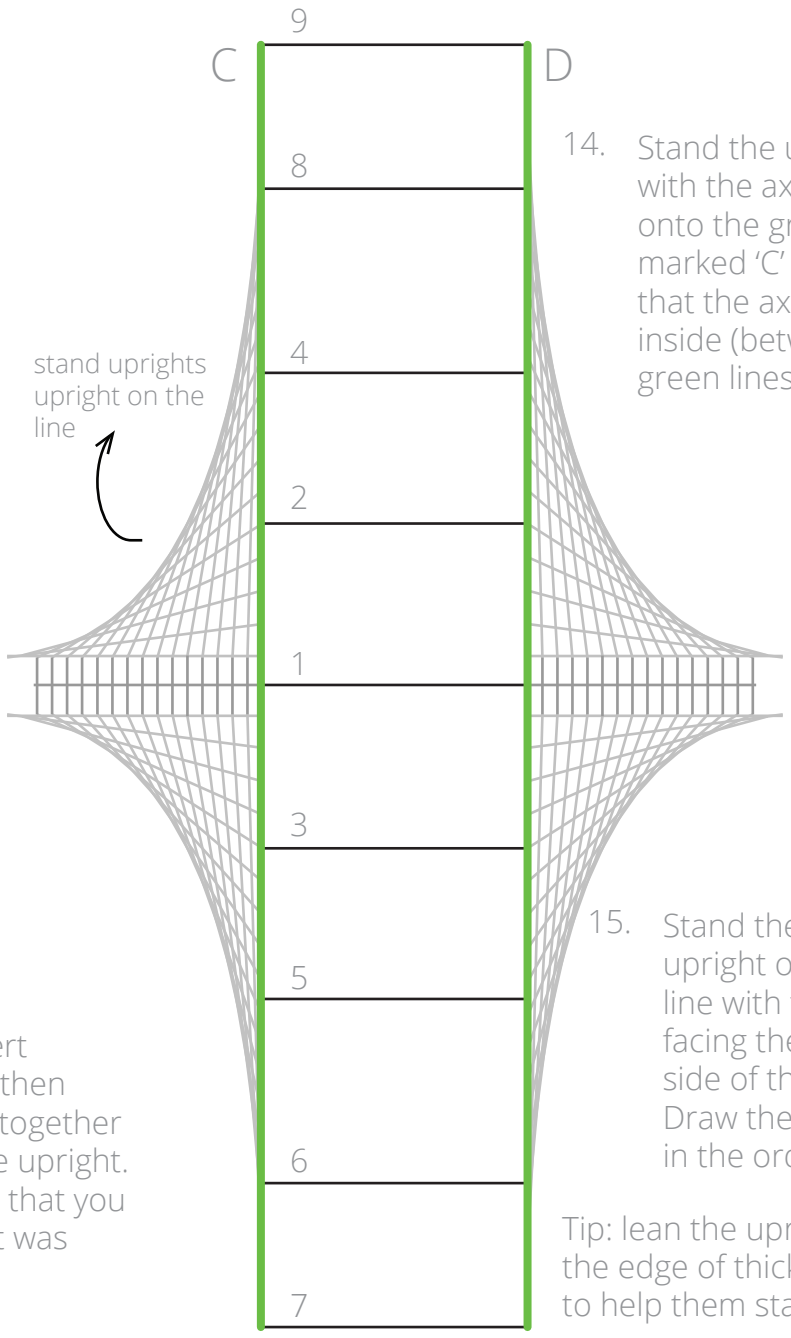
Primary Axle - Make 1

12. Cut a piece of unused 3Doodler plastic into 7 pieces at the length indicated above.





13. Bunch axle pieces together; insert through the hole in the upright; then doodle around the bunch to tie together and secure on the outside of the upright. Note that the outside is the side that you have drawn on, not the side that was attached to the paper.



14. Stand the upright with the axle attached onto the green line marked 'C' ensuring that the axel is on the inside (between the green lines).

15. Stand the other upright on the 'D' line with the outside facing the right hand side of this page. Draw the base lines in the order indicated.

Tip: lean the uprights against the edge of thick books to help them stand upright.

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Westbury Tasmania, Australia
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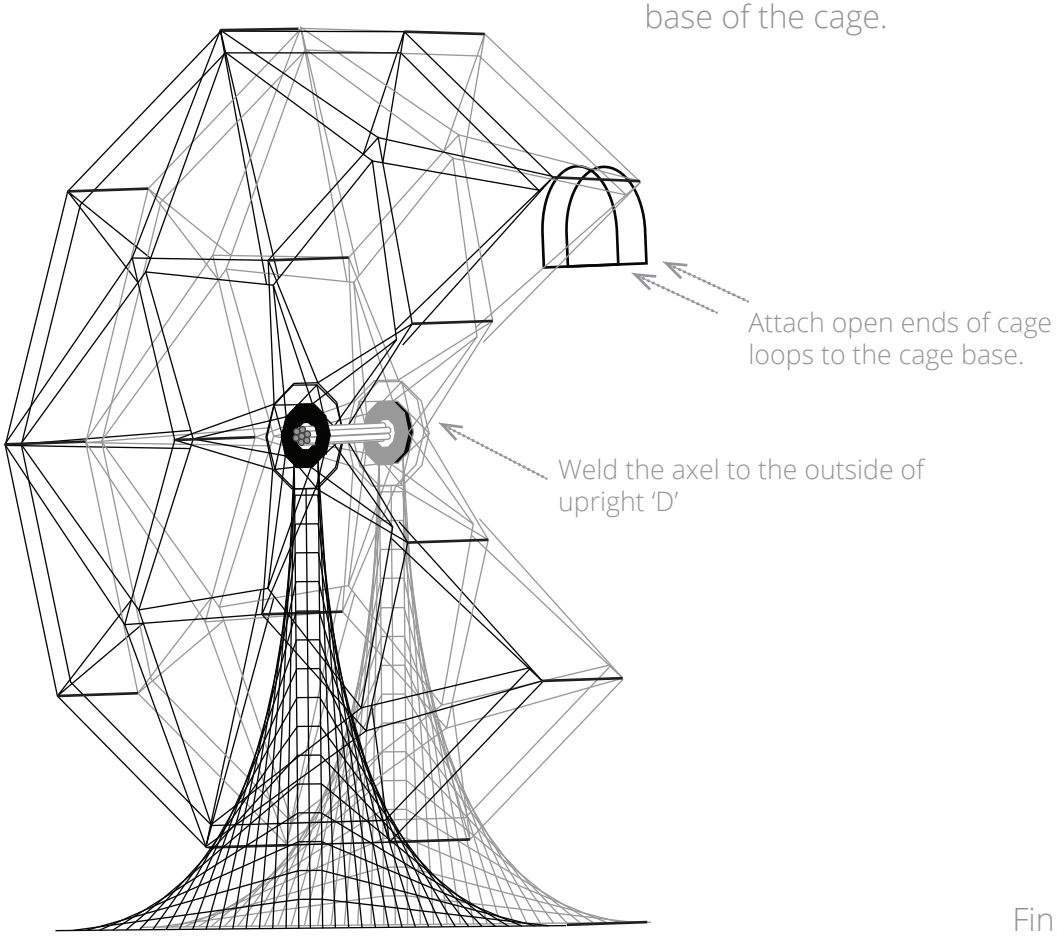
15. Carefully slide the axle through the center hole of the wheel and the center hole of upright ‘D’. Weld the axel to the outside of upright ‘D’.

16. Finally hook each cage of each wheel connector and weld the open ends to the base of the cage.



Fin.

By: Peter Schonefeld
Westbury Tasmania, Australia
http://vectorshapes.com